

Converting Colors

XYZ(31.4609, 36.6850, 19.8910)

Have a look what the booklet for
XYZ(31.4609, 36.6850, 19.8910)
contains.

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Color

**XYZ(31.4609, 36.6865,
19.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A86D
RGB	161, 168, 109
RGB Percent	63%, 66%, 43%
CMY	0.3686, 0.3412, 0.5725
CMYK	0.04, 0.00, 0.35, 0.34
HSL	67°, 25%, 54%
HSV	67°, 35%, 66%
XYZ	31.4609, 36.6865, 19.8910
YIQ	159.1810, 14.7670, -19.8330

Conversions

Conversions Part 2

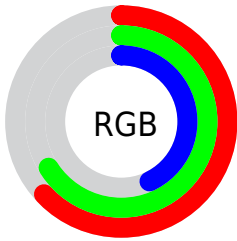
Format	Color
RYB	109, 168, 116
Decimal	10594413
CIELab	67.04, -12.06, 29.69
CIELCh	67, 32.050, 112.114
Yxy	36.6865, 0.3574, 0.4167
Android (android.graphics.Color)	4288784493 (0xFFA1A86D)
YUV	159.1810, -24.7392, 1.5953
Hunter-Lab	60.5694, -13.2801, 22.9277

Details

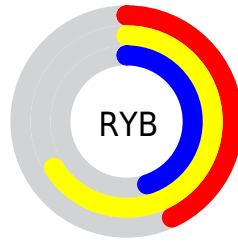
The XYZ color **31.4609, 36.6865, 19.8910** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.7404, 17.4784, 39.3812**, and the grayscale version is **33.1432, 34.8693, 37.9726**.

A 20% lighter version of the original color is **61.4360, 70.1003, 44.0109**, and **13.2453, 16.0052, 6.6662** is the 20% darker color. If you saturate the color by 10%, you get **30.2432, 36.1546, 15.5560**, and if you desaturate by 10%, it is **32.8597, 37.2941, 25.1384**.

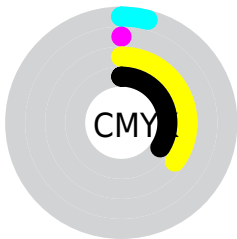
Distribution



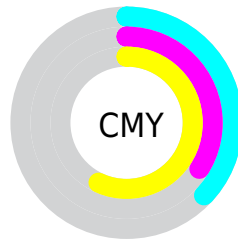
- Red (63%)
- Green (66%)
- Blue (43%)



- Red (43%)
- Yellow (66%)
- Blue (45%)



- Cyan (4%)
- Magenta (0%)
- Yellow (35%)
- Black (34%)



- Cyan (37%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4609, 36.6865, 19.8910 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.4609, 36.6865, 19.8910 by changing the saturation by 10% instead.

■ 31.4609, 36.6865,
19.8910

■ 31.4609, 36.6865,
19.8910

300.4452,
331.9512, 263.9091

■ 21.1036, 24.9649,
12.1325

■ 61.3359, 70.0904,
44.0909

■ 13.3127, 16.0509,
6.7104

■ 81.5843, 92.5414,
61.3695

■ 7.7227, 9.5602,
3.2060

■ 105.8605,
119.3376, 82.6585

■ 3.9683, 5.1083,
1.2007

■ 134.5298,
150.8635, 108.3765

■ 1.6842, 2.3110,
0.0000

167.9576,
187.5034, 138.9420

■ 0.4464, 0.7795,
0.0000

206.5091,

■ 0.0000, 0.0000,

229.6417, 174.7736

0.0000

250.5499,
277.6629, 216.2898

■ 31.4609, 36.6865,
19.8910

■ 31.4609, 36.6865,
19.8910

■ 30.2432, 36.1546,
15.5560

■ 32.8597, 37.2941,
25.1384

■ 29.1940, 35.6896,
12.0789

■ 34.4461, 37.9762,
31.3437

■ 28.3033, 35.2888,
9.4032


■ 36.2293, 38.7378,
38.5522

■ 27.5589, 34.9471,
7.4647


■ 38.2175, 39.5821,
46.8058


■ 26.9466, 34.6591,
6.1893


■ 40.4181, 40.5121,
56.1437


 26.4489, 34.4176,
5.4847

 42.8381, 41.5307,
66.6035

 26.2271, 34.3084,
5.2399

 45.4845, 42.6406,
78.2205

 48.3637, 43.8444,
91.0290

 50.6323, 44.8046,
100.5873

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1704, 36.6865, 18.8301



31.4609, 36.6865, 19.8910



27.9871, 36.6865, 25.6328

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.4609, 36.6865, 19.8910



29.4279, 36.6865, 65.0773



44.9947, 36.6865, 43.7402

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.4609, 36.6865, 19.8910



19.7404, 17.4784, 39.3812

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.7966, 36.6865, 58.7869



31.4609, 36.6865, 19.8910



33.6000, 36.6865, 72.8442

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.4609, 36.6865, 19.8910



26.8918, 36.6865, 50.9185



38.5156, 36.6865, 70.3075



44.2867, 36.6865, 30.6741

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.4609, 36.6865, 19.8910



26.6935, 36.6865, 32.2600



38.5156, 36.6865, 70.3075



44.5645, 36.6865, 48.7635

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.4618, 36.6881, 19.8918



63.7282, 69.4333, 61.7779



25.1420, 21.8938, 17.3693



13.8010, 15.0954, 13.1073



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.4618, 36.6881, 19.8918



55.3687, 65.8201, 29.9313



26.2202, 33.9860, 19.6465



8.0579, 8.7280, 8.0492



19.8328, 25.9214, 3.9580



0.5063, 0.6429, 0.0974

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.7404, 17.4784, 39.3812



30.9426, 25.7734, 70.5690



24.2824, 19.8199, 39.5938



7.2115, 7.3416, 9.4553



5.5786, 2.2593, 28.1176



0.1602, 0.0676, 0.6852

Previews

White Background



This preview shows how the XYZ color 31.4609, 36.6865, 19.8910 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.4609, 36.6865, 19.8910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

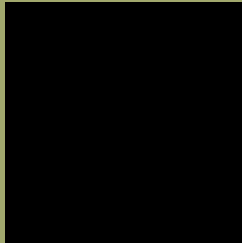
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4609, 36.6865, 19.8910

Background



This preview shows how black text looks on a background with the XYZ color 31.4609, 36.6865, 19.8910.



This preview shows how white text looks on a background with the XYZ color 31.4609, 36.6865,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.4609, 36.6865, 19.8910

Protanopia

33.8825, 36.6030, 19.1892

Deuteranopia

37.3188, 36.5489, 20.4170



Tritanopia

36.4758, 36.5938, 44.6760

Trichromacy



Original Color

31.4609, 36.6865, 19.8910

Protanomaly

32.9565, 36.6509, 19.5247

Deuteranomaly

34.9685, 36.3566, 20.2134

Tritanomaly

34.3281, 36.5034, 34.0907

Monochromacy



Original Color

31.4609, 36.6865, 19.8910

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2253, 35.2373, 30.3023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4609, 36.6865, 19.8910 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(161, 168, 109)` looks like.

```
.text, #text, p{  
    color:rgb(161, 168, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(161, 168, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 168, 109) }
```

Border

The CSS property to change the border of an element to XYZ 31.4609, 36.6865, 19.8910 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 168, 109) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(161, 168, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(161, 168, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 168, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 168, 109);  
box-shadow:4px 4px 4px 4px rgb(161, 168,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4609, 36.6865, 19.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 168, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(161,  
168, 109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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